

IN RE APPLICATION OF: Hiroaki NAKAI, et al.

SERIAL NO.: New Application

FILED: Herewith

FOR: STEREO CALIBRATION APPARATUS AND STEREO IMAGE MONITORING
APPARATUS USING THE SAME

STATEMENT OF RELEVANCY

Reference AN (11-328365) on Form PTO-1449:

A stereo-vision method for object detection using a Homography matrix which is calculated from manually-selected corresponding points.

Reference AO (2000-293693) on Form PTO-1449:

A stereo-vision method for object detection using an Affine transformation matrix which is a reduced Homography matrix and is also calculated from manually-selected corresponding points.

Reference AU on Form PTO-1449:

This paper describes a method of extracting straight lines in noise-polluted images.

Reference AV on Form PTO-1449:

A method for optimal distance calculation in DP matching, employed in my invention, is presented in this paper.

Reference AW on Form PTO-1449:

This paper describes a line tracking/matching method similar to the one in my invention, but it cannot deal with straight lines on repeated structure in images.

Reference AX on Form PTO-1449:

This reference provides several statistical methods for solving linear equations to calculate Homography matrices.

Reference AY on Form PTO-1449:

This book relates to extraction of many kinds of image feature, e.g. intensity gradient.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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EXAMINER:

FOR: STEREO CALIBRATION APPARATUS AND STEREO IMAGE MONITORING APPARATUS USING THE SAME

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
250290US2RDSERIAL NO.
New Application

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Hiroaki NAKAI, et al.FILING DATE
Herewith

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AK						
	AL						
	AM						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AN	11-328365	11/30/99	Japan		x
	AO	2000-293693	10/20/00	Japan		x
	AP					
	AO					
	AR					
	AS					
	AT					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AU	Martin A. FISCHLER, et al. "Random Sample Consensus: A Paradigm for Model Fitting with Applications to Image Analysis and Automated Cartography", COMMUNICATIONS OF THE ACM, Vol. 24, No. 6, 1981, pgs. 381-395				
	AV	Hiroaki SAKOE, et al. "Dynamic Programming Algorithm Optimization for Spoken Word Recognition", IEEE TRANSACTIONS ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, Vol. 26, No. 1, 1978, pgs. 43-49				
	AW	Naoki CHIBA, et al. "A Tracker for Broken and Closely-Spaced Lines", TRANS. OF IEICE D-II, Vol. J81-D-II, No. 8, 1998, pgs. 1744-1751				
	AX	W.H. PRESS, et al. "Singular Value Decomposition" NUMERICAL RECIPES IN C, (ISBN 0-521-43108-5), 1988, pgs. 59-70				
	AY	M. TAKAGI, et al. "Handbook of Image Analysis", (ISBN 4-13-061107-0), 1991, pgs. 548-583				
	AZ					<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.